**About Us**

**AIMS Profile**

*AIMS (Al-Meezan Industrial Metrology Services)* is being managed by professionals with diversified international experience in the metrology field as;

* Laboratory manager in public and private sector calibration laboratories over +20 years.
* Quality Manager for ISO 9001, 14001, 18001, 17020 and 17025.
* Metrology consultant dealing with construction / setting up of labs, procurement of metrology standard equipment, developing and implementing QMS, instructional and hands on training of technical staff, getting through certifications / accreditations and business development.
* Metrology Instructor providing 13 weeks in depth training in all metrology parameters.
* Technical Assessor with PNAC, ENAS and GAC for 17025: 2005 accreditation.

The Lab is furnished with state of the art calibration standard equipment from industry leader like Fluke, Budenberg, WIKA, Norbar, Mitutoyo, Time Electronics and PT global etc.

AIMS calibration standard equipment are having valid traceability from NPL (UK), NIST (USA), PTB (Germany) and NPSL (Pakistan).

AIMS QMS complies with all the requirement of ISO / IEC 17025: 2005 like traceability, proficiency testing/inter-lab comparisons, quality assurance and calculation of measurement uncertainties etc.

The lab infrastructure complies with the requirement of OIML G-13 to full fill, environmental, lighting and other relevant requirements.

AIMS Business Development strategy is focused on understanding customer requirement and cordial entertainment of customer feedback and complaints.

**Latest News**

**Photo Gallery**

**WE AIM**

**Mission**

To facilitate trade and industry by providing QMS and metrology related training, consultancy and calibration services as per latest international standards and guidelines.

**Vision**

Scientific and technological advancement of a country demands an organized and globally connected metrology infrastructure. Scientific and legal metrology systems are normally taken care by public sector organizations like National Metrology Institutes and relevant ministries.

However, industrial metrology systems are dependent on traceable calibration services provided by private sector calibration laboratories.

In developing countries inadequate level of metrology education / awareness and incomplete traceability of measurement results bars the local production from highly competitive global market.

Calibration results accredited to ISO/IEC 17025: 2005 from ILAC MRA signatories like PNAC, GAC or DAC are like passports for locally produced goods and services to transit across the globe.

AIMS cherish a vision of providing complete traceability and assurance of measurement results to the BIPM through recognized NMI like NPL (UK), NIST (USA) and PTB (Germany) in compliance with the requirements of ISO/IEC 17025: 2005.

**We Offer**

**Metrology Services**

**Calibration Services Lab and Onsite**

AIMS Calibration Laboratory is offering fully traceable calibration services using standard calibration methods from reputed organization.

The result are ensured through various quality assurance techniques like participation in Proficiency Testing programs, Measurement Audits and interlab comparisons and supervisory calibration schemes.

AIMS laboratory is fully complying the requirement of ISO/IEC 17025: 2005 and have applied for accreditation from Pakistan National Accreditation Council.

**Pressure Measurement**

All types and sizes of pressure gauges, indicator, transducers and transmitters.

Analogue and Digital barometers/manometers.

Pneumatic PI, IP convertors and pneumatic transmitters.

Pressure switches.

Pressure Control valves.

Pressure Safety and Relieving devices.

Hydro pressure testing.

Pressure Chart Recorders.

Pressure Calibrators.

Dead Weight Testers and Piston Gauges.

**Temperature and Humidity Measurement**

Bimetal and filled system thermometers.

Liquid in Glass thermometers.

Digital thermometer with (TC and RTD sensors).

Temperature Controller and Switches.

Temperature transmitters and recorders.

Infrared thermometers and thermal imagers.

Electric Ovens, incubators, chillers, freezers and hot cabinets.

Temperature baths and Dry Block Calibrators.

Thermo-hygrometers and data loggers.

Dew point meters.

**Electrical Time and Frequency**

Analogue / Digital volt, ohm and multimeters.

Clamp meters and energy meters.

Decade Resistance, Capacitance and inductances.

Insulation meters and earth resistance testers.

Appliance and Installation testers.

Transformer and switchgear test equipment.

Hipot and Dielectric test set.

Current and Voltage Injection Sources.

Loop and Process Calibrators.

Electronic timer, counter and oscilloscopes.

**Mass, Volume Force and Torque Measurement**

Analogue and Digital Weighing Scales.

Volumetric Glass wares and provers.

Spring Scale Dynamometers and Force Gauges.

Class M weight sets.

Compressive and Tensile Force machines.

Tongue Gauges and Weight Indicators.

Proving Rings and Load Cells.

Torque screw drivers and wrenches.

Static and Dynamic Torque transducers.

Hydraulic and Motorized Torque Tools.

**Dimensional Measurement**

Steel Rules and Meter Tapes.

Vernier Caliper, height and depth gauges.

Hi Lo welding and bridge cam gauges.

Micrometer inside, outside and depth.

Dial indicators.

MRP grove depth and pitch gauges.

Flange Square and Bevel Protectors.

Angle measuring devices.

Sprit levels and surface tables.

Coating thickness and Ultrasonic thickness gauges.

**Miscellaneous**

pH, conductivity and turbidity meters.

Viscosity and Gravity Meters.

Visible and IR spectrophotometers.

Hardness testers.

Ultrasonic flaw detector machines.

Anemometers, tachometers and sound level meters.

Magnetic field indicators and gauss gauges.

Visible and UV light meters.

Portable and fixed gas detectors.

Pinhole detectors.

**Metrology Consultancy**

**Lab Design and set up**

AIMS management have set up number of calibration laboratories starting from conception to design and development, procurement of calibration standards, training of staff, development and implementation of ISO / IEC 17025: 2005 and development of calibration business through systematic marketing strategies.

We can offer partial or full fledged consultancy to the potential clients for setting up, operation and accreditation of commercial or in-house calibration set up.

**Equipment Sourcing and Commissioning**

Owing to our long lasting contacts with manufacture and distributor of calibration equipment, we can help organization to purchase right equipment at competitive cost with shortest delivery schedules. AIMS can help organizations in installation, commissioning and on hand trainings on TMDE.

**Metrology Training Courses**

A detailed metrology training program is available for all measurement parameters like mass, Volume, Force, Torque, Dimensional, Pressure, Temperature, Level, Flow, Humidity, AC/DC and Low Frequency, Time and Frequency, Power measurement, acoustical noise and vibration along with measurement uncertainty calculation for calibration and testing laboratories. Detail is available in attached catalogue.

**Hands on Calibration trainings**

In our calibration laboratory situated at Lahore Sabzazar, we are offering internship / apprenticeship for diploma holder and engineers and short training programs for industrial instrumentation and electronics technicians / engineers.

**Project Support**

**Process Instrumentation Commissioning and Loop Testing**

AIMS employs team of engineer and technician having ample experience of working on project site for installation, commissioning and loop testing during plant construction and annual maintenance / inspections.

AIMS have redundant equipment ready for deployment with teams for calibration of process control instruments.

**Process Instrument Import and Sale**

AIMS management with its wide contacts in the Middle East and Pakistan market is well place for the import and sale of all kind of process instrumentation.

**Quality Management**

**QMS Consultancy**

AIMS Management having ample experience of documentation, implementation, staff training, internal and external audits for QMS like ISO/IEC 17025: 2005, ISO 17020, 14001, 18001 and 9001 could be the right choice for consultancy and implementation of QMS.

Consultancy would be comprising of following steps;

1. Preliminary meeting and visit of organization to understand the nature of business.
2. Review of existing documentation and procedures.
3. First training session for awareness of the required QMS system.
4. Preparing complete documentation package for the organization.
5. Two to three training sessions for familiarization of management with QMS Documents.
6. Guiding the organization for the implementation of the system.
7. Internal Audit of the organization for GAP analysis.
8. Submission of application to the certification/accreditation body.
9. Preparation for the external Audit.
10. Assisting the organization for CAPA resulting from external Audit/Assessment.

**QMS Trainings**

AIMS QMS Consultancy and Training department offer Level I (Awareness), Level II (Implementation) and Level III (Internal Auditor) training courses for ISO/IEC 17025: 2017, ISO 17020: 2012, ISO 9001: 2015, ISO 14001: 2015 and OHSAS 45001: 2015.

Detailed outline for these courses is available in attached catalogue.

**AIMS Credentials**

**Accreditation and Certifications**

ISO 9001: 2015

ISO 14001: 2015

OHSAS 18001: 2007

ISO 17020: 2012

ISO/IEC 17025: 2005

**Brand Representations**

**Professional Memberships**

**Project / Client Reference**

Oil and Gas production, processing and distribution industries.

Power producers, operators and distributors.

EPC contractors and sub-contractors.

Leather textile and fiber industry.

Food, beverage, pharma and cosmetics industry.

Agricultural products and fertilizer manufacturer.

Civil and mechanical material testing labs and contractors.

Electrical and Electronics appliance manufacturer.

Technical Training Schools and Engineering Universities.

Road transport, rail and aviation industry.

**Resources**

Useful Links

Downloads

Metrology Updates

**Contact Us**

**RFQ form**

[**https://labtesting.com/metrology-calibration-services/instrument-calibration/**](https://labtesting.com/metrology-calibration-services/instrument-calibration/)

[**https://integratedservicesolutions.com/services/metrology-laboratory/**](https://integratedservicesolutions.com/services/metrology-laboratory/)

[**https://nicolscales.com/calibration-2/**](https://nicolscales.com/calibration-2/)

Beamex CMX Calibration Management Software